



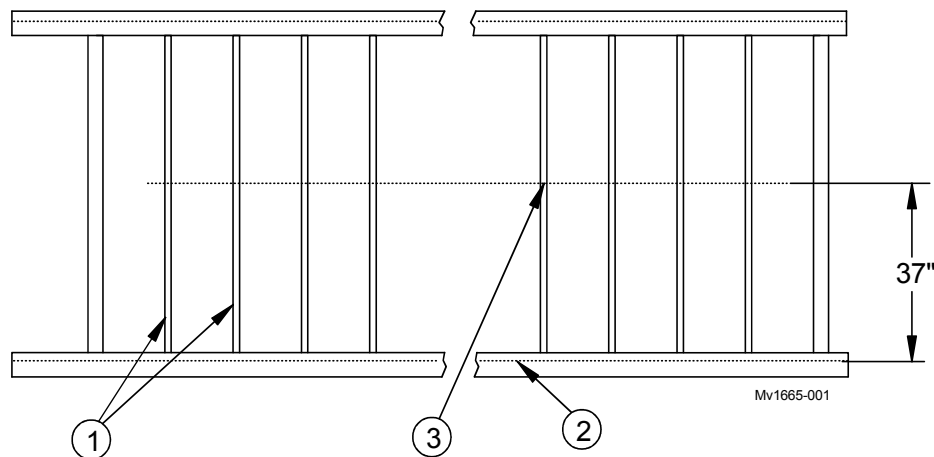
## TURBO-COOL™ Mid Level Pad Supports Installation & Operator's Instruction Manual

### Step 1.

Snap a Chalk-Line on the Bottom Stringer as shown in the TURBO-COOL™ installation manual.

### Step 2. Snapping the Pivot Bracket Chalkline

Snap a Chalk-Line across the face of the Studs, supporting the top and Bottom Stringers, 37" above the Chalk-Line on the Bottom Stringer (See Figure 1).



Item	Description
1	Studs
2	Chalk-Line on Bottom Stringer
3	Chalk-Line on face of Studs

Figure 1. Chalk line on Face of Studs

Step 3. Marking The Pivot Bracket Location

Pivot Brackets are supplied to mount to the Studs spaced 4’ apart. On each Stud mark a horizontal line on the side of the Stud level with the Chalk-Line. Make a mark on this line 1-3/4" from the face of each Stud. This marks the location of the first Lag Screw used to fasten the Pivot Bracket to the Stud (See Figure 2).

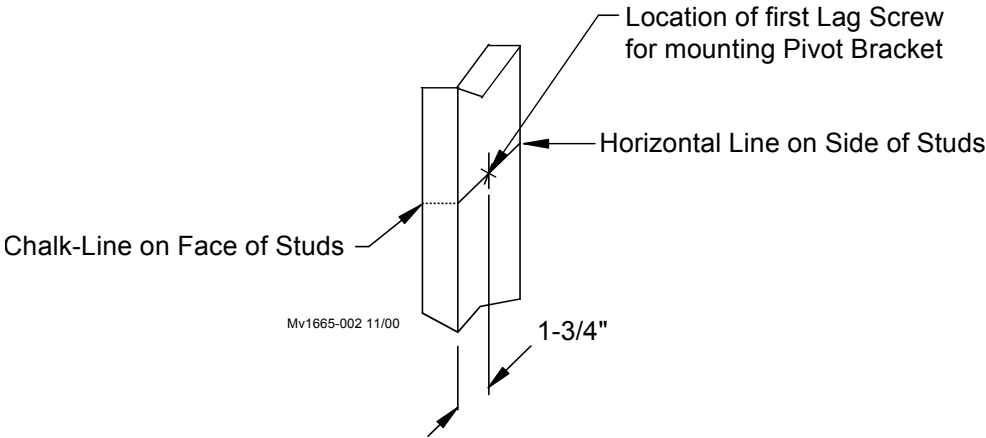
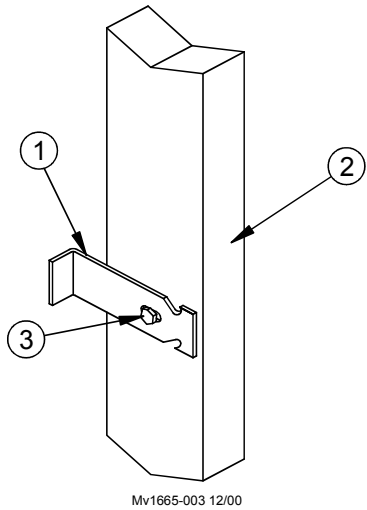


Figure 2. First Lag Screw Location

Step 4. Attaching Pivot Brackets to Studs

Use one 1/4" x 1-1/3" Lag Screw to mount a Pivot Bracket to each Stud in the location marked in Figure 2. Leave the Lag Screw just loose enough that the Pivot Bracket can be pivoted up and down by hand (See Figure 3).

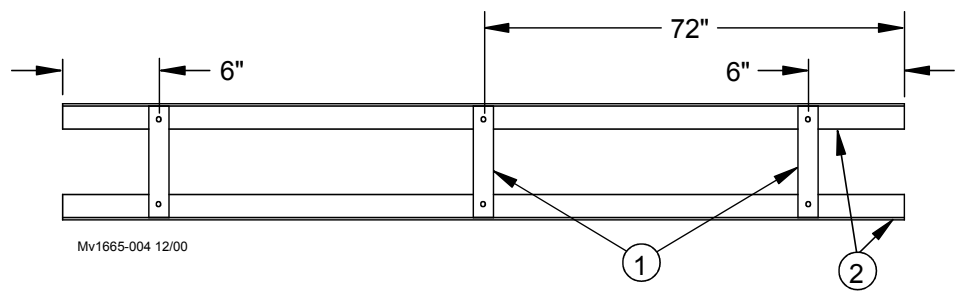


Item	Description	Part No.
1	Pivot Bracket	46062
2	Stud	
3	Lag Screw	41561

Figure 3. Attaching the Pivot Bracket

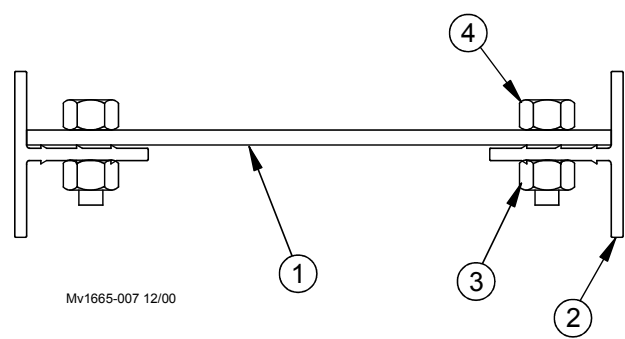
Step 5. Pad Support Frame Assembly

Drill and assemble the Pad Support Frame as shown in **Figure 4**. Use a Tie Bar to mark the location of the holes to be drilled in the 12' Fiberglass Tee sections. There should be one Tie Bar 6" from either end of the Fiber Glass Tees and one at the center of the Tees (**See Figure 4**). The short edge of the Tie Bar should be tight against the vertical leg of the Fiberglass Tee. Align the ends of the Fiberglass Tees with a square before marking the holes. Use a 17/64" drill bit to drill the holes in the Fiberglass Tees. Use the 1/4" x 5/8" Bolts and 1/4" Nuts to fasten the Pad Support Frame together (**See Figure 5**).



Item	Description	Part No.
1	Tie Bar	46064
2	1-3/8" x 144" Fiberglass Tee	46178-3

Figure 4. Pad Support Frame Assembly



Item	Description	Part No.
1	Tie Bar	46064
2	1-3/8" x 144" Fiberglass Tee	46178-3
3	1/4-20 SS Nut	7145
4	1/4-20 x .63 SS Bolt	4404-7

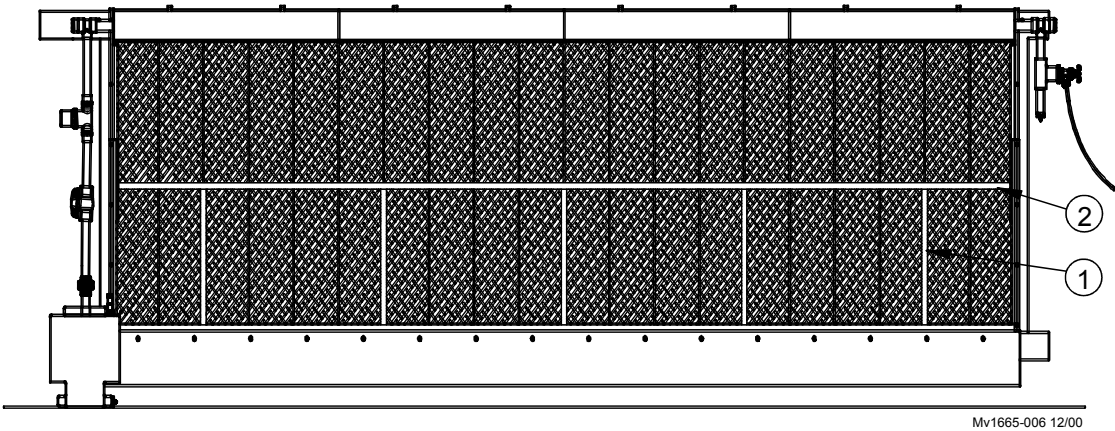
Figure 5. Pad Support Frame Assembly

**Step 6.**

Install the remainder of the TURBO-COOL™ system as shown in the Instruction Manual up to the point of Pad installation. Install the bottom row of Pads on the Pad Supports. Be sure the Pad Supports are pushed down tight against the Trough Support Brackets, and the Pads are seated at the bottom of the Pad Supports.

**Step 7.**

Beginning at one end of the system, install a 3' Fiberglass Tee between the 2nd and the 3rd Pad from the end of the system. Thereafter, install a 3' Fiberglass Tee between adjacent Pads every 4' (See Figure 6).



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Item	Description	Part No.
1	1-3/8" x 144" Fiberglass Tee	46178-3
2	Pad Support Frame Assembly	

**Figure 6. Pad Support Frame Assembly**

### Step 8. Installing the Pad Support Frame

Beginning at the one end of the system lay the first 12' Pad Support Frame on top of the first row Pads. Space the end of the Pad Support Frame about 1-1/2" from the End Panel, so the Pad Support Frame can pivot freely without interfering with the front flange on the End Panel. At the first Stud, swing the Pivot Bracket and use the hole in the Pivot Bracket to mark the horizontal position of the hole to be drilled in the rear Fiberglass Tee in the Pad Support Frame. Use a 17/64" drill bit to drill a hole 5/16" from the top of the Fiberglass Tee at the horizontal position just marked (**See Figure 7**). Fasten the Pivot Bracket to the Pad Support Frame with the 1/4" x 5/8" Bolt and 1/4" Nut. Repeat this to fit 1-1/2" inside the far End Panels. If the last Pad Support Frame needs to be cut, move the last Tie Bar to 6" from the cut end..

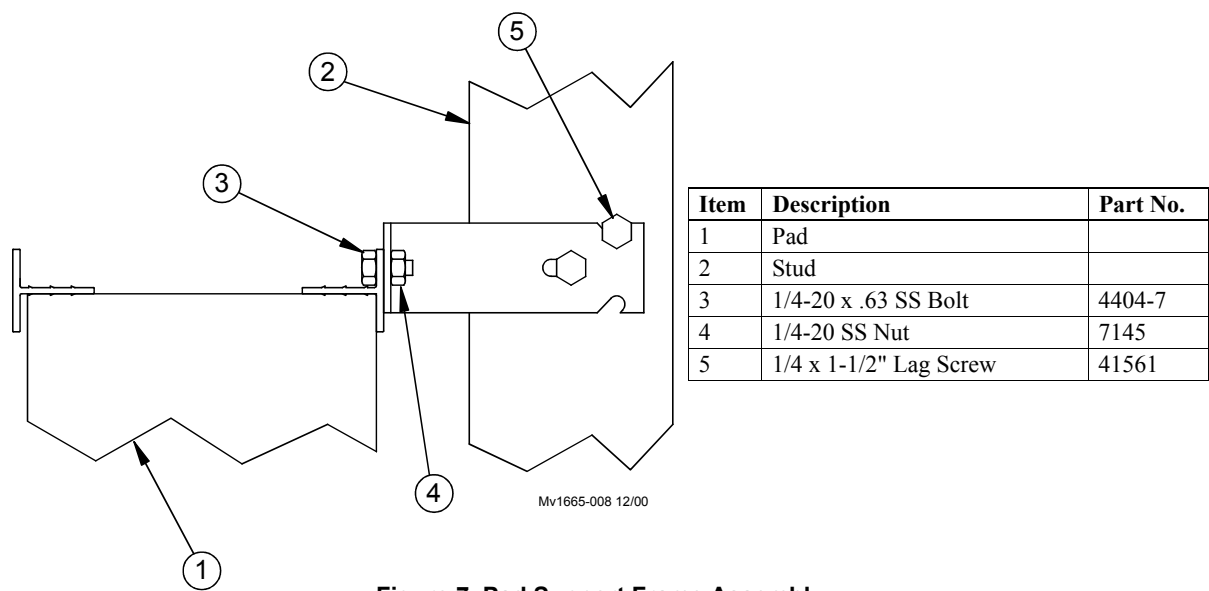


Figure 7. Pad Support Frame Assembly

## Step 9.

At each Pivot Bracket install a second 1/4" x 1-1/2" Lag Screw to act as a pivot stop (**See Figure 7**). Be sure th Pivot bracket is slid all the way back in the mounting slot for the first Lag Screw before installing the second Lag Screw (**See figure 7**). Use the bottom of the notch in the Pivot Bracket as a guide for installing the second Lag Screw. Leave ample space between the Pivot Bracket and the head of the second Lag Screw so that the Pivot Bracket can easily pivot about the first Lag Screw.

## Step 10. Installing the Pads

Install the top row of Pads on the Pad Support Frame and complete the installation as shown in the TURBO-COOL™ Instruction Manual.

If and when the bottom row of Pads need to be removed, the Pad Support Frame can be pivoted up away from the Pads and locked in the open position.

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**Made to work.  
Built to last.**

### **Revisions to this Manual**

<b>Page No.</b>	<b>Description of Change</b>
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